

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/874,140 A
Source: TFW16
Date Processed by STIC: 06/15/2005

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IFW16

RAW SEQUENCE LISTING

DATE: 06/15/2006

PATENT APPLICATION: US/09/874,140A

TIME: 10:04:56

Input Set : A:\38137018.APP

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3 <110> APPLICANT: EICKMANN, MARKUS
 4 GICKLHORN, DOROTHEE
 5 RADSACK, KLAUS
 6 HAUSER, HANS-PETER
 7 GIESENDORF, BERNHARD
 9 <120> TITLE OF INVENTION: VARICELLA ZOSTER VIRUS (VZV) IMMUNOREACTIVE PROTEIN
 10 VP26 AND ITS DIAGNOSTIC USE
 12 <130> FILE REFERENCE: 38137-0018
 14 <140> CURRENT APPLICATION NUMBER: 09/874,140A
 C--> 15 <141> **CURRENT FILING DATE: 2001-06-06**
 17 <150> PRIOR APPLICATION NUMBER: 09/219,337
 18 <151> PRIOR FILING DATE: 1998-12-23
 20 <150> PRIOR APPLICATION NUMBER: DE 197 57 765.2
 21 <151> PRIOR FILING DATE: 1997-12-23
 23 <160> NUMBER OF SEQ ID NOS: 7
 25 <170> SOFTWARE: PatentIn Ver. 3.3
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 705
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Varicella Zoster Virus
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 33 <221> NAME/KEY: CDS
 34 <222> LOCATION: (1)..(705)
 36 <400> SEQUENCE: 1
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 38 Met Thr Gln Pro Ala Ser Ser Arg Val Val Phe Asp Pro Ser Asn Pro
 39 1 5 10 15
 41 acc aca ttt tcg gtg gaa gca att gcg gct tac acc ccc gtt gct tta 96
 42 Thr Thr Phe Ser Val Glu Ala Ile Ala Ala Tyr Thr Pro Val Ala Leu
 43 20 25 30
 45 ata cga ctt tta aac gcc agt gga cct ttg caa cct ggt cac cgt gtg 144
 46 Ile Arg Leu Leu Asn Ala Ser Gly Pro Leu Gln Pro Gly His Arg Val
 47 35 40 45
 49 gac atc gct gat gcc aga agc att tac acc gtg gga gcc gcg gcc agt 192
 50 Asp Ile Ala Asp Ala Arg Ser Ile Tyr Thr Val Gly Ala Ala Ala Ser
 51 50 55 60
 53 gcc gcg cgt gca cgc gct aac cat aat gca aat acg ata cgc cga acg 240
 54 Ala Ala Arg Ala Arg Ala Asn His Asn Ala Asn Thr Ile Arg Arg Thr
 55 65 70 75 80
 57 gcc atg ttt gcc gag act gac cct atg aca tgg tta aga cca acg gtt 288
 58 Ala Met Phe Ala Glu Thr Asp Pro Met Thr Trp Leu Arg Pro Thr Val
 59 85 90 95
 61 ggc tta aaa cgt acg ttt aac ccg cgt att ata cga cca caa ccc cca 336

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62 Gly Leu Lys Arg Thr Phe Asn Pro Arg Ile Ile Arg Pro Gln Pro Pro
63          100          105          110
65 aat cca tcc atg agt ttg gga atc tcg ggg cct act ata ttg ccg caa 384
66 Asn Pro Ser Met Ser Leu Gly Ile Ser Gly Pro Thr Ile Leu Pro Gln
67          115          120          125
69 aaa aca cag agc gcc gat cag tct gct tta caa cag ccc gcc gcg ttg 432
70 Lys Thr Gln Ser Ala Asp Gln Ser Ala Leu Gln Gln Pro Ala Ala Leu
71          130          135          140
73 gcg ttt tcg gga tca tcc ccg caa cac ccc cca cct caa acg acg tcg 480
74 Ala Phe Ser Gly Ser Ser Pro Gln His Pro Pro Pro Gln Thr Thr Ser
75 145          150          155          160
77 gca tcc gtt gga caa cag caa cac gtg gtg tcg ggg tct tct gga caa 528
78 Ala Ser Val Gly Gln Gln His Val Val Ser Gly Ser Ser Gly Gln
79          165          170          175
81 caa ccg caa cag gga gca cag tca agc act gtc cag cca aca acc gga 576
82 Gln Pro Gln Gln Gly Ala Gln Ser Ser Thr Val Gln Pro Thr Thr Gly
83          180          185          190
85 tca ccg ccc gcg gcc caa ggc gtg cca cag tct acc ccg ccc cca acc 624
86 Ser Pro Pro Ala Ala Gln Gly Val Pro Gln Ser Thr Pro Pro Pro Thr
87          195          200          205
89 caa aat acc ccc cag ggg ggt aag gga cag acc ttg tca cac acg gga 672
90 Gln Asn Thr Pro Gln Gly Gly Lys Gly Gln Thr Leu Ser His Thr Gly
91          210          215          220
93 caa tct gga aac gct tca aga agt cgt agg gtg 705
94 Gln Ser Gly Asn Ala Ser Arg Ser Arg Arg Val
95 225          230          235
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99 <211> LENGTH: 235
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101 <213> ORGANISM: Varicella Zoster Virus
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107 Thr Thr Phe Ser Val Glu Ala Ile Ala Ala Tyr Thr Pro Val Ala Leu
108 20 25 30
110 Ile Arg Leu Leu Asn Ala Ser Gly Pro Leu Gln Pro Gly His Arg Val
111 35 40 45
113 Asp Ile Ala Asp Ala Arg Ser Ile Tyr Thr Val Gly Ala Ala Ala Ser
114 50 55 60
116 Ala Ala Arg Ala Arg Ala Asn His Asn Ala Asn Thr Ile Arg Arg Thr
117 65 70 75 80
119 Ala Met Phe Ala Glu Thr Asp Pro Met Thr Trp Leu Arg Pro Thr Val
120 85 90 95
122 Gly Leu Lys Arg Thr Phe Asn Pro Arg Ile Ile Arg Pro Gln Pro Pro
123 100 105 110
125 Asn Pro Ser Met Ser Leu Gly Ile Ser Gly Pro Thr Ile Leu Pro Gln
126 115 120 125
128 Lys Thr Gln Ser Ala Asp Gln Ser Ala Leu Gln Gln Pro Ala Ala Leu
129 130 135 140

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131 Ala Phe Ser Gly Ser Ser Pro Gln His Pro Pro Pro Gln Thr Thr Ser
132 145          150          155          160
134 Ala Ser Val Gly Gln Gln Gln His Val Val Ser Gly Ser Ser Gly Gln
135          165          170          175
137 Gln Pro Gln Gln Gly Ala Gln Ser Ser Thr Val Gln Pro Thr Thr Gly
138          180          185          190
140 Ser Pro Pro Ala Ala Gln Gly Val Pro Gln Ser Thr Pro Pro Pro Thr
141          195          200          205
143 Gln Asn Thr Pro Gln Gly Gly Lys Gly Gln Thr Leu Ser His Thr Gly
144          210          215          220
146 Gln Ser Gly Asn Ala Ser Arg Ser Arg Arg Val
147 225          230          235
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153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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162 <210> SEQ ID NO: 4
163 <211> LENGTH: 38
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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175 <211> LENGTH: 34
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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186 <210> SEQ ID NO: 6
187 <211> LENGTH: 27
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
194 <400> SEQUENCE: 6
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198 <210> SEQ ID NO: 7
199 <211> LENGTH: 224
200 <212> TYPE: PRT
201 <213> ORGANISM: Varicella Zoster Virus
203 <400> SEQUENCE: 7

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204 Asp Pro Ser Asn Pro Thr Thr Phe Ser Val Glu Ala Ile Ala Ala Tyr
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207 Thr Pro Val Ala Leu Ile Arg Leu Leu Asn Ala Ser Gly Pro Leu Gln
208           20           25           30
210 Pro Gly His Arg Val Asp Ile Ala Asp Ala Arg Ser Ile Tyr Thr Val
211           35           40           45
213 Gly Ala Ala Ala Ser Ala Ala Arg Ala Arg Ala Asn His Asn Ala Asn
214           50           55           60
216 Thr Ile Arg Arg Thr Ala Met Phe Ala Glu Thr Asp Pro Met Thr Trp
217   65           70           75           80
219 Leu Arg Pro Thr Val Gly Leu Lys Arg Thr Phe Asn Pro Arg Ile Ile
220           85           90           95
222 Arg Pro Gln Pro Pro Asn Pro Ser Met Ser Leu Gly Ile Ser Gly Pro
223           100          105          110
225 Thr Ile Leu Pro Gln Lys Thr Gln Ser Ala Asp Gln Ser Ala Leu Gln
226           115          120          125
228 Gln Pro Ala Ala Leu Ala Phe Ser Gly Ser Ser Pro Gln His Pro Pro
229           130          135          140
231 Pro Gln Thr Thr Ser Ala Ser Val Gly Gln Gln Gln His Val Val Ser
232 145           150          155          160
234 Gly Ser Ser Gly Gln Gln Pro Gln Gln Gly Ala Gln Ser Ser Thr Val
235           165          170          175
237 Gln Pro Thr Thr Gly Ser Pro Pro Ala Ala Gln Gly Val Pro Gln Ser
238           180          185          190
240 Thr Pro Pro Pro Thr Gln Asn Thr Pro Gln Gly Gly Lys Gly Gln Thr
241           195          200          205
243 Leu Ser His Thr Gly Gln Ser Gly Asn Ala Ser Arg Ser Arg Arg Val
244           210          215          220

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VERIFICATION SUMMARY

DATE: 06/15/2006

PATENT APPLICATION: US/09/874,140A

TIME: 10:04:58

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